

REMARKS

The Notice of Non-Compliant Amendment dated October 1, 2003, indicated that a complete listing of all of the claims was not present. Canceled claims 1-14 were inadvertently omitted from the listing and have now been inserted into the claim listing.

The Office Action dated June 13, 2003 has been received and carefully noted. The above amendments to the claims, and the following remarks, are submitted as a full and complete response thereto.

Claims 15-23 have been amended. The amendments to claims 16-22 have been made exclusively for the purpose of clarity and have not been made in view of any prior art. Upon entry of this Response, claims 15-28 will be pending in the present Application. Claims 15 and 23 are independent claims. The subject matter added to claims 15 and 23 was previously also found on page 8, lines 29-37, and on page 9, lines 1-19, of the specification of the present Application. Hence, no new matter has been added.

Objection to the Drawings under 37 C.F.R. §§1.84 or 1.152:

Figures 1 and 2 have been rejected under 37 C.F.R. §§1.84 or 1.152 because it has been alleged that lines, numbers, and letter were not uniformly thick and well defined, clean, durable, and/or black. The attached replacement sheet of drawings, containing Figures 1 and 2, directly address the objection and render the objection moot.

At least in view of the attached replacement sheet of drawings and the above comments, reconsideration and withdrawal of the objection to the drawings is respectfully requested.

Objection to Claims 1 and 23 for Informalities:

Claims 1 and 23 have been rejected due to informalities. The amendments made to claims 1 and 23 directly address the Examiner's comments and render the objection to claims 1 and 23 moot. At least in view of the above amendments and remarks, reconsideration and withdrawal of the objection to claims 1 and 23 due to informalities is respectfully requested.

Rejection of Claims 15-22 under 35 U.S.C. §112, First Paragraph:

Claims 15-22 have been rejected under 35 U.S.C. §112, first paragraph, as failing to comply with the enablement requirement. The amendment of claim 15 directly addresses the Examiner's comments and renders the rejection of claims 15-22 under 35 U.S.C. §112, first paragraph, moot.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claims 15-22 under 35 U.S.C. §112, first paragraph, is respectfully requested.

Rejection of Claims 15-28 under 35 U.S.C. §112, Second Paragraph:

Claims 15-28 have been rejected under 35 U.S.C. §112, second paragraph, as being indefinite for allegedly failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. The amendment of claims 15-23 directly addresses the Examiner's comments and renders the rejection of claims 15-28 under 35 U.S.C. §112, second paragraph, moot.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claims 15-28 under 35 U.S.C. §112, second paragraph, is respectfully requested.

Rejection of Claims 15-16, and 20-25 under 35 U.S.C. §102(b):

Claims 15-16 and 20-25 have been rejected under 35 U.S.C. §102(b) as allegedly anticipated by WO 96/13949 to Huotari (Huotari '949). This rejection is respectfully traversed.

Claim 15 recites a method for implementing a service in a telecommunication system that includes a mobile subscriber network (1), a mobile switching center (2) connected to the mobile subscriber network (1) and an intelligent network (3) connected to the mobile subscriber network (1). The method is characterized in that the mobile switching center (2) is provided with a service control function (4) which is connected via internal interface to a call control function (5). The method is also characterized in that a call completion to busy subscriber remote user free message is received by the mobile switching centre indicating that a first call party is free, and the call control function (5) is

controlled by the service control function (4) at an intelligent network interface to set up a call between said first call party and a second call party. The method is further characterized in that queries are made by the call control function (5) to obtain information from the service control function (4), and instructions are received by the call control function (5) from the service control function (4). Claims 16 and 20-22 all depend directly upon claim 15.

Claim 23 recites a system for implementing a service in a telecommunication system that includes a mobile subscriber network (1), a mobile switching center (2) connected to the mobile subscriber network (1) and an intelligent network (3) connected to the mobile subscriber network (1). The system is characterized in that the mobile switching center (2) is provided with a service control function (4) and means for receiving a call completion to busy subscriber remote user free message indicating that a first call party is free. The system is also characterized in that the service control function (4) includes means (6) for controlling a call control function (5) and an intelligent network interface in order to set up a call between said first call party and a second call party. The system is further characterized in that the call control function (5) includes means (7) for making queries and means (8) for receiving instructions from the service control function (4). Claims 24 and 25 each depend directly upon claim 23.

Huotari '949 discloses a "method for activating intelligent network services in a mobile communication system, and a mobile communication system" (see Title).

However, Huotari '949 fails to disclose or suggest at least that "a call completion to busy subscriber remote user free message is received by the mobile switching centre indicating that a first call party is free and the call control function (5) is controlled by the service control function (4) at an intelligent network interface to set up a call between said first call party and a second call party", as recited in claim 15. Huotari '949 also fails to disclose or suggest at least the "means for receiving a call completion to busy subscriber remote user free message indicating that a first call party is free" and that "the service control function (4) comprises means (6) for controlling a call control function (5) and an intelligent network interface in order to set up a call between said first call party and a second call party", as recited in claim 23.

Huotari '949 also generally fails to disclose or suggest at least the use of an intelligent network in the context of call completion to a busy subscriber service. More particularly, Huotari '949 also fails to disclose or suggest at least the implementation of a CCBS call using an intelligent network interface, as recited in claims 15 and 23.

One skilled in the art will appreciate that, according to the embodiments of the claimed invention, the SSAP protocol mentioned in the present disclosure is related to Call Completion to Busy Subscriber supplementary service (CCBS), to synchronize the states of the two queues associated with call completion to busy subscriber service. This is clear at least from the fact that 3GPP specification TS 29.013 recites, in chapter 3.1 thereof: "Supplementary Service Application Part: SSAP is the protocol used for CCBS procedures on the interface between the originating and destination network."

At least in view of the above amendments and remarks, Applicants respectfully submit that claims 15 and 23 are patentable over Huotari '949. Hence, reconsideration and withdrawal of the rejection of claims 15 and 23 under 35 U.S.C. §102(b) over Huotari '949 is respectfully requested.

As stated above, claims 16, 20-22, and 24-25 depend directly upon either claim 15 or 23. Hence, claims 16, 20-22, and 24-25 thereby inherit all of the patentable distinctions of either claim 15 or 23. Hence, Applicants respectfully submit that claims 16, 20-22, and 24-25 are patent over Huotari '949 at least for the reasons discussed above in connection with claims 15 and 23.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claims 15-16 and 20-25 under 35 U.S.C. §102(b) over Huotari '949 is respectfully requested.

Rejection of Claim 17 under 35 U.S.C. §103(a):

Claim 17 has been rejected under 35 U.S.C. §103(a) over Huotari '949 in view of the "CS-2 Enhancements for User Interaction" publication by Pearce. This rejection is respectfully traversed.

Reasons that Huotari '949 fails to disclose or suggest the subject matter recited in claim 15 of the present application have been discussed above. The publication by Pearce fails to eliminate the shortcomings of Huotari '949.

Claim 17 depends directly upon claim 15 and thereby inherits all of the patentable distinctions thereof. Hence, Applicants respectfully submit that claim 17 is patentable over Huotari '949 in view of the publication by Pearce at least for the reasons discussed above in connection with claim 15.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claim 17 under 35 U.S.C. §103(a) over Huotari '949 in view of the publication by Pearce is respectfully requested.

Rejection of Claim 18 under 35 U.S.C. §103(a):

Claim 18 has been rejected under 35 U.S.C. §103(a) over Huotari '949 in view of the "Interworking and the IN Platform" publication by Humphrey. This rejection is respectfully traversed.

Reasons that Huotari '949 fails to disclose or suggest the subject matter recited in claim 15 of the present application have been discussed above. The publication by Humphrey fails to eliminate the shortcomings of Huotari '949.

Claim 18 depends directly upon claim 15 and thereby inherits all of the patentable distinctions thereof. Hence, Applicants respectfully submit that claim 18 is patentable over Huotari '949 in view of the publication by Humphrey at least for the reasons discussed above in connection with claim 15.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claim 18 under 35 U.S.C. §103(a) over Huotari '949 in view of the publication by Humphrey is respectfully requested.

Rejection of Claim 19 under 35 U.S.C. §103(a):

Claim 19 has been rejected under 35 U.S.C. §103(a) over Huotari '949 in view of the "A Study on Call Modelling for AIN/B-ISDN Integration" publication by Lim et al. This rejection is respectfully traversed.

Reasons that Huotari '949 fails to disclose or suggest the subject matter recited in claim 15 of the present application have been discussed above. The publication by Lim et al. fails to eliminate the shortcomings of Huotari '949.

Claim 19 depends directly upon claim 15 and thereby inherits all of the patentable distinctions thereof. Hence, Applicants respectfully submit that claim 19 is patentable over Huotari '949 in view of the publication by Lim et al. at least for the reasons discussed above in connection with claim 15.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claim 19 under 35 U.S.C. §103(a) over Huotari '949 in view of the publication by Lim et al. is respectfully requested.

Rejection of Claim 26 under 35 U.S.C. §103(a):

Claim 26 has been rejected under 35 U.S.C. §103(a) over Huotari '949 in view of U.S. Patent No. 6,141,545 to Bageja et al. (Bageja '545). This rejection is respectfully traversed.

Reasons that Huotari '949 fails to disclose or suggest the subject matter recited in claim 23 of the present application have been discussed above. Bageja '545 fails to eliminate the shortcomings of Huotari '949.

Claim 26 depends directly upon claim 23 and thereby inherits all of the patentable distinctions thereof. Hence, Applicants respectfully submit that claim 26 is patentable over Huotari '949 in view of Bageja '545 at least for the reasons discussed above in connection with claim 23.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claim 26 under 35 U.S.C. §103(a) over Huotari '949 in view of Bageja '545 is respectfully requested.

Rejection of Claim 27 under 35 U.S.C. §103(a):

Claim 27 has been rejected under 35 U.S.C. §103(a) over Huotari '949 in view of the "An Agent-Based Model of a Distributed IN Platform" publication by Farooqui. This rejection is respectfully traversed.

Reasons that Huotari '949 fails to disclose or suggest the subject matter recited in claim 23 of the present application have been discussed above. The publication by Farooqui fails to eliminate the shortcomings of Huotari '949.

Claim 27 depends directly upon claim 23 and thereby inherits all of the patentable distinctions thereof. Hence, Applicants respectfully submit that claim 27 is patentable over Huotari '949 in view of the publication by Farooqui at least for the reasons discussed above in connection with claim 23.

At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claim 27 under 35 U.S.C. §103(a) over Huotari '949 in view of the publication by Farooqui is respectfully requested.

Rejection of Claim 28 under 35 U.S.C. §103(a):

Claim 28 has been rejected under 35 U.S.C. §103(a) over Huotari '949 in view of U.S. Patent No. 6,418,461 B1 to Barnhouse et al. (Barnhouse '461). This rejection is respectfully traversed.

Reasons that Huotari '949 fails to disclose or suggest the subject matter recited in claim 23 of the present application have been discussed above. Barnhouse '461 fails to eliminate the shortcomings of Huotari '949.

Claim 28 depends directly upon claim 23 and thereby inherits all of the patentable distinctions thereof. Hence, Applicants respectfully submit that claim 28 is patentable over Huotari '949 in view of Barnhouse '461 at least for the reasons discussed above in connection with claim 23.

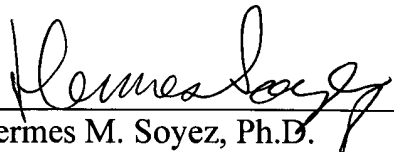
At least in view of the above amendment and remarks, reconsideration and withdrawal of the rejection of claim 28 under 35 U.S.C. §103(a) over Huotari '949 in view of Barnhouse '461 is respectfully requested.

In conclusion, Applicants respectfully submit that all of the objections and rejections related to the present Application have been addressed and overcome. At least in view of the above amendments and remarks, Applicants respectfully submit that claims 15-28 have now been placed in condition for allowance. It is therefore respectfully requested that all claims currently pending in the present application be allowed, and that this application be passed to issue.

If for any reason the Examiner determines that the application is not now in condition for allowance, it is respectfully requested that the Examiner contact, by telephone, the applicants' undersigned representative at the indicated telephone number to arrange for an interview to expedite the disposition of this application.

In the event this paper is not being timely filed, the applicants respectfully petition for an appropriate extension of time. Any fees for such an extension together with any additional fees may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,


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